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Nova University

NOVA UNIVERSITY NEWS

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FOUR NAMED FOR EDUCATION CENTER

A professor of science education and an assistant professor of psychology from the University of Pittsburgh, a social psychologist formerly at the University of Connecticut and a research assistant seeking a doctorate at the University of Florida will be among those joining the faculty of Nova University in September.

This group will work in science education under Dr. A. S. Fischler, dean of the Education Center.

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NUCLEAR PHYSICIST ADDED TO FACULTY

Dr. R. C. Herndon, who has been associated with the Lawrence Radiation Laboratory of the University of California for the past four years as a theoretical nuclear physicist, has joined the University faculty. He is planning to continue his research in the fields of nuclear and hyper-nuclear structure.

Dr. Herndon is a native of Washington, D.C., and holds a Bachelor of Science degree in physics from Washington and Lee University and a Master of Science from the University of Illinois. He earned his Ph.D. at Florida State University in 1962 and accepted a position at the Radiation Laboratory that same year.

At Washington and Lee, he graduated magna cum laude and Phi Beta Kappa in three years. He has published many articles in his field of research, is a member of the American Physical Society and the honorary fraternities, Sigma Xi and Sigma Pi Sigma.

Dr. Herndon is presently in the University's downtown Fort Lauderdale offices.

UNUSUAL PLAN FOR UNDERGRADUATE WORK STUDIED BY TRUSTEES

Among the most exciting aspects of the University's planning at this time is a study of a proposed "Institute of Advanced Studies," which would be for undergraduates and might actually, in this institution, replace the conventional undergraduate program.

Suggested by the members of the Advisory Board at their meeting here earlier this year, the Institute is envisioned by the board as potentially "an invigorating center known throughout the world."

It is seen as being located in a cluster of buildings where renowned scholars could come in to live and work for periods from a few days to two months — "having discussions among their peers, with the students, in fact with anyone from the community who cared to join them."

At this time, the Advisory Board members feel, there is some question as to the role of the undergraduate college in our changing society of today.

With the acceleration of the modern high school to encompass many of the programs historically offered in the first two years of college . . . with the advent of the junior college movement and the desire among graduate professional schools to identify the creative student much earlier in his career, the historic role of the undergraduate college as a training ground for the graduate school is rapidly becoming obsolete.

"Rather than the establishment of an undergraduate division," President Winstead says, " it is considered more relevant to the needs of the gifted stu-

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Swift progress on the construction of the Louis W. Parker Physical Sciences Center of the University is indicated by this latest photo of the project. This structure, already impressive even in its unfinished form, will house some of the most modern scientific education and research facilities in the southeastern United States.

FOUR NAMED

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The professor is Dr. Joseph Lipson, formerly associate professor of physics and director of curriculum at Pittsburgh's Learning Research and Development Center.

He holds a Ph.D. from the University of California at Berkeley and a Bachelor of Science degree from Yale.

The others, University President Warren J. Winstead announced, are: Dr. William Allen Love, Jr., formerly in the Department of Sociology at Pittsburgh, with a Ph.D. from the University of Texas; he will be the assistant professor of psychology.

Dr. Judith Steward, who will be assistant professor of social psychology, holds her doctorate from the University of Connecticut and formerly was a research assistant there.

John M. Flynn, formerly an interim instructor in data processing at Florida and presently working toward the degree of Doctor of Education; his position at Nova University will be that of research assistant.

With this group as a faculty nucleus, the university will aim at beginning a doctoral program in educational research next year, according to Dr. Fischler. This kind of study is available at only a few institutions, he added.

Dr. Fischler has left for California to spend the remainder of the summer teaching at the University at Berkeley, where he was a professor of education before coming here last year.

Construction of the Hollywood Education Center, where his work will be housed, is expected to begin before the end of the year, on the strength of a $552,000 matching grant for the building recently announced by the U. S. Office of Education. The remaining $1.1 million of the cost is being raised among Hollywood residents, who thus far have pledged nearly $500,000.

UNUSUAL PLAN

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dent in our society to identify him wherever he may be — in the secondary school, the junior college, the college — and expose him to the rigors of research as early as possible in his field of competence, with a dynamic, permanent and on-going research program culminating in the Ph.D. degree.

"Concurrent with this program, and in order to fully exploit the breadth of talent among these selected students, to expose them to the broader requirements of society at large apart from the research laboratory, they should be placed in an institute for advanced studies. There they would interact with numbers of the world's leading scholars on a constant and informal basis.

"To accomplish this, it is considered desirable that the University establish such an Institute with a series of rotating chairs for scholars in the arts, humanities, social and natural sciences.

"Great teachers with no burden of publication or research would assemble here for various periods, with living accommodations interspersed with accommodations for students . . . with common dining, library, social and physical facilities, designed for maximum informal interaction between the scholar and the student."

It is envisioned that a student at any time during his sojourn at the University could assemble a group of distinguished scholars representing the various fields of knowledge required for his baccalaureate degree, and upon being examined and receiving a favorable vote of this distinguished panel, receive a degree.

No student would be awarded a Ph.D. without first earning a baccalaureate degree, but he could be awarded both simultaneously.

Thus the University moves constantly forward toward a position as one of the most innovative institutions in America, ever awake to the need for changing concepts to meet changing times.

DR. PEPINSKY TO DESIGN COMPUTER

Nova University's Robert O. Law Professor of Physics and Chemistry, Dr. Raymond Pepinsky, has been invited to design a special scientific computer for the University of Muenster, Germany, university officials disclosed.

It probably will be the first of about a dozen to be built for distribution to institutions of learning and research around the world.

The computer will be one that takes X-ray measurements of crystals, and calculates at very high speeds the positions of their atoms. Scientists employ this information in their efforts to change the properties of various materials, such as wood, metals and drugs, through knowledge of the behavior of the atoms in their crystals.

Dr. Pepinsky currently is spending the summer at the Oak Ridge National Laboratory in Tennessee, where much of the work on the original atom bomb was performed. He is participating in research on new methods of preparing crystals for study and measuring their properties at high temperatures and pressures.

The computer to be designed for the University of Muenster will be built partly in this country and partly in Germany. It will be a new model of a pioneer machine which Dr. Pepinsky designed and built while at Auburn University in Alabama in the late 1940's with the support of the Office of Naval Research.

That original mechanism, he said, "was the fastest machine of its sort ever developed, and the only computer that survived 20 years of operation."

He rebuilt it at Penn State, after going there as research professor of physics, and later brought it to Florida Atlantic University in Boca Raton, where it was abandoned. While he was at Penn State, his work and the computer were the subject of a feature in Life Magazine.

In designing the computer for Muenster, he said, he will "use the opportunity to plan a new model of the machine for Nova University."

Officers of the Nova University Association for 1967-68 include, left to right, Edward J. Marko, first vice president; Mrs. Nicholas Maracic, secretary; Mrs. Presley Anheuser, executive secretary, and President Lloyd E. Dutcher. Not shown are Philip E. Lundquist, second vice president, and Col. Duval S. Adams, treasurer.

NEW VOLUMES FOR LIBRARY DELIVERED

Among the recent arrivals at the University library have been huge volumes, 500 pounds of them, which are the basic tools the library has needed in order to catalog books, give information on books, and help readers find periodical and journal references. They include the Education Index, Cumulative Book Index, Science and Technology Index, and Current Biography.

These date back to 1938, and as time goes on, other volumes dating to as early as 1890 will be acquired.

Funds for the purchase of these books came from the Library Society, which now numbers 181 members and has raised more than $4,800.

Mrs. Milo Rudd of Fort Lauderdale has spent many hours in the library as a volunteer, cataloging and accessioning the books and training other volunteers in this kind of work. Mrs. Merrill Rose, coordinator of the Library Society, can provide details for anyone interested in further information.

Mrs. Ruth Sutton Walker, assistant librarian, is in charge pending the arrival of the head librarian in the fall.

BULLETIN PUBLISHED

A new Bulletin of Nova University, showing the curricula planned and the facilities available for the 1967-68 academic year has been published and is being distributed to other institutions for the use of students and educators.

The bulletin lists a faculty of 11, all but one of whom hold doctor's degrees, in addition to the president, Dr. Warren J. Winstead. The curricula in physics and physical chemistry, oceanography and science education are described in detail, along with the research in progress.

Requirements for admission to the University are stated, as follows:

(1) A bachelor's degree from an accredited institution, representing the completion of a course of study that, in the opinion of the Center in which he wishes to study, fulfills the prerequisites for pursuing graduate work in the area desired.

(2) An academic record indicating that the applicant can pursue advanced study and research with distinction.

(3) Supporting letters of recommendation that clearly show the applicant is a person of promise in research in his chosen area.

JOURNAL EXPLORES NEW RIVER MYSTERY

A thoughtful study of the origins and history of New River and its possible future highlights the July issue of the Nova University Journal.

Fort Lauderdale Historian August Burghard, who also is executive secretary of the university support group, Gold Key, relates the formation of the river to the rise of the ocean about 5000 B.C.

As to the Seminole Indian legend that the river appeared overnight, Burghard states that it "could possibly have" or at least a part of it, surmising that part of it probably was a subterranean stream through the lime rock and some disturbance could have caused the "roof" over this section to collapse.

Other articles in the new issue of the Journal include a discourse called "Confusion in Academia," by Dr. Charles E. Gauss, the editor; an assessment of the death-of-God theologians by Don E. Marietta, Jr., associate professor of philosophy at Florida Atlantic University, and a discussion called "Automation and Craftsmanship" by Nova University's architect, James M. Hartley.

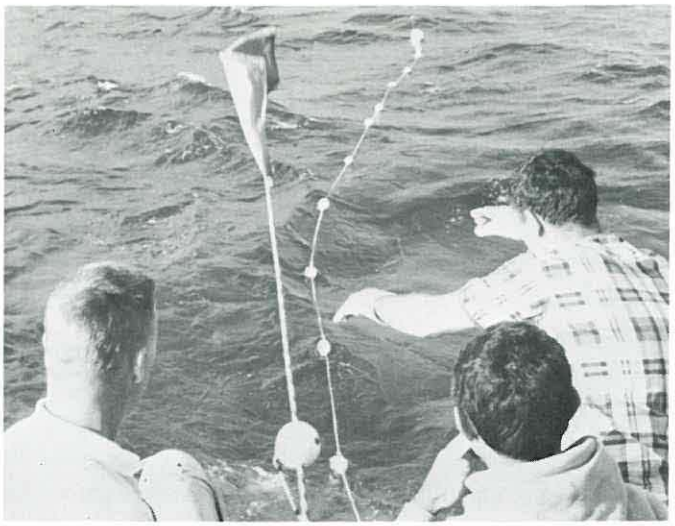
Dr. Gauss argues that "our western culture is really a combination of two incompatible patterns of thought, one curious, open-minded, and grounding knowledge on public belief; the other receptive, dogmatic, elaborating a body of belief given by authority to be accepted by faith."

Thus does he characterize the Greek cultural pattern and the Hebraic-Christian tradition, declaring, "It has been the strength (as well as the weakness) in our culture that it has struggled to try to reconcile these two incompatible ways of thinking, and that both habits of thinking remain with us today."

Author Marietta examines the problem of "deciding who is a death-to-God theologian," pointing out that such persons have little in common and "even those things which they have in common are far from being the exclusive possessions of these theologians."

In his article, "Automation and Craftsmanship," Architect Hartley writes: "A major social problem is facing the nation as a result of the forward projection of technology which is aimed in the direction of all the work in the country being done by only a few people . . . Consider man's life when his work week consists of two days, with the other five allocated to uncommitted time.

"Psychiatrists tell us that man's greatest joy and drive is the feeling of accomplishment of a job well done. What then is man's goal when his work occupies but a small part of his life? What will he do to justify his existence and maintain his dignity as a productive individual?"



Instruments go overboard off the stern of the University's research vessel Gulfstream, above, as the oceanography group continues its studies of the behavior and characteristics of the Florida Current. Below, Henry White, left, and Bruce Pitcairn bring an instrument back aboard. The group presently is working off Jacksonville.